



# FireLite<sup>®</sup>NT



## FIRE-RATED, SAFETY-RATED GLASS CERAMIC MADE WITH SURFACE APPLIED FILM

FireLite<sup>®</sup> NT is a 3/16" (5 mm) thick fire-rated and impact safety-rated glazing material, composed of FireLite and surface-applied fire-rated film. It is listed for use in doors, sidelites, transoms and borrowed lites with fire rating requirements ranging from 20 minutes to 3 hours. Trusted for over 20 years, the FireLite family of products now feature ultraHD<sup>®</sup> Technology for superior color and surface quality.

## FEATURES

- Now with ultraHD<sup>®</sup> Technology for improved surface quality, clarity and color
- FireLite NT Standard Grade polished surface quality is comparable to alternative fire-rated ceramics that are marketed as having a premium finish
- Fire-rated for up to 3 hours with required hose stream test
- Impact safety-rated—meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- Glass ceramic with high performance surface-applied approved fire-rated film
- Clear and wireless
- Fits in Fireframes<sup>®</sup> Designer Series from TGP, or standard fire-rated frames
- Withstands thermal shock
- Large sizes available
- Protects from fire and safety on both sides of glass
- FireLite side may be lightly sandblasted or etched without affecting the fire rating
- Passes positive pressure test standards UL 10C
- 3-year limited warranty

**Note:** This product is not a barrier to radiant heat, as it does not meet test standards ASTM E-119 or UL 263. If your jurisdiction requires a "barrier to heat" product, please contact Technical Glass Products regarding Pilkington Pyrostop<sup>®</sup>.

## LISTINGS

Classified and labeled by Underwriters Laboratories, Inc.<sup>®</sup> and Underwriters Laboratories of Canada. File number for labeled fire-rated assemblies is R13377. Tested in accordance with UL 9, UL 10B, UL 10C, CSFM 43.7, NFPA 80, NFPA 252, NFPA 257, CAN4 S-104, CAN4 S-106. Approved for use in New York City: MEA 290-90-M-6. Approved for use in Los Angeles: LARR 25798.

## GENERAL CHARACTERISTICS

|                                      |   |
|--------------------------------------|---|
| <b>THICKNESS:</b>                    | 3/16" (5 mm) overall                                |
| <b>WEIGHT:</b>                       | 2.56 lbs/ft <sup>2</sup> (12.5 kg/m <sup>2</sup> )  |
| <b>APPROX. VISIBLE TRANSMISSION:</b> | 88%   |
| <b>APPROX. VISIBLE REFLECTION:</b>   | 9%  |
| <b>HARDNESS (VICKER'S SCALE):</b>    | 700   |
| <b>FIRE RATING:</b>                  | 20 minutes to 3 hours                               |
| <b>IMPACT SAFETY RATING:</b>         | Meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II) |
| <b>STC RATING:</b>                   | 35 dB   |

| RATING        | ASSEMBLY              | MAX. EXPOSED AREA  | MAX. WIDTH OF EXPOSED GLAZING | OR | MAX. HEIGHT OF EXPOSED GLAZING |
|---------------|-----------------------|--|-------------------------------|----|--------------------------------|
| 20 to 60 min. | DOORS (non-temp rise) | 3,204 in <sup>2</sup> / 22.25 ft <sup>2</sup> (2.07 m <sup>2</sup> ) | 36" (914 mm)                  |    | 89" (2,260 mm)                 |
|               | DOORS (temp rise)     | 100 in <sup>2</sup> / 0.69 ft <sup>2</sup> (.06 m <sup>2</sup> )     | 12" (304 mm)                  |    | 33" (838 mm)                   |
|               | OTHER THAN DOORS      | 3,325 in <sup>2</sup> / 23.09 ft <sup>2</sup> (2.15 m <sup>2</sup> ) | 95" (2,413 mm)                |    | 95" (2,413 mm)                 |
| 90 min.       | DOORS (non-temp rise) | 2,034 in <sup>2</sup> / 14.13 ft <sup>2</sup> (1.31 m <sup>2</sup> ) | 36" (914 mm)                  |    | 56-1/2" (1,435 mm)             |
|               | DOORS (temp rise)     | 100 in <sup>2</sup> / 0.69 ft <sup>2</sup> (.06 m <sup>2</sup> )     | 12" (304 mm)                  |    | 33" (838 mm)                   |
|               | OTHER THAN DOORS      | 2,627 in <sup>2</sup> / 18.24 ft <sup>2</sup> (1.69 m <sup>2</sup> ) | 56-1/2" (1,435 mm)            |    | 56-1/2" (1,435 mm)             |
| 3 hour        | DOORS                 | 100 in <sup>2</sup> / 0.69 ft <sup>2</sup> (.06 m <sup>2</sup> )     | 12" (304 mm)                  |    | 33" (838 mm)                   |

Check with frame manufacturer for maximum tested glass sizes and required stop height.

**Note:** Individual lite sizes cannot exceed "Max. Exposed Area" shown above.

|                        |                                |                                |                               |
|------------------------|--------------------------------|--------------------------------|-------------------------------|
| <b>SURFACE FINISH</b>  | Premium                        | Standard                       | Obscure                       |
| <b>MAX. SHEET SIZE</b> | 48" x 96"<br>(1.21 m x 2.43 m) | 48" x 96"<br>(1.21 m x 2.43 m) | 36" x 96"<br>(.91 m x 2.43 m) |

## SPECIFICATIONS

All glass designated on the drawings as fire-rated and impact safety-rated shall be 3/16" (5 mm) thick FireLite® NT supplied by Technical Glass Products. The surface condition shall be either: **Premium Grade**; **Standard Grade**; or **Obscure** (patterned surface).

Complete 3-part CSI format specifications are available online at [fireglass.com](http://fireglass.com), or by calling **800.426.0279**. Please contact Technical Glass Products for more information.

## LABELING

Each piece of FireLite NT shall be permanently labeled with the FireLite NT logo, UL logo and fire rating.

## INSTALLATION

FireLite NT shall be glazed into the appropriate fire-rated framing with an approved glazing compound (pure silicone, closed cell PVC tape or DAP 33 putty) as supplied by the installer. For 90 minute ratings that exceed 1,393 in<sup>2</sup> (.8987 m<sup>2</sup>), FireLite NT shall be glazed with fire-rated glazing tape as supplied by TGP.

Inspect each piece of FireLite NT immediately before installation and eliminate any with observable edge damage or face imperfections. As with any glass produced by the "roll out" method, individual pieces of FireLite NT may contain minimal variations in thickness. Occasionally, process marks and small occlusions or seeds (bubbles, knots or crystals) may be apparent. However, since they do not generally impair the transparency or affect the technical performance of the glass, they do not represent cause for rejection.

## STORAGE & HANDLING

FireLite NT must be handled with care during transportation, storage, inspection and installation. Store in a dry place.

## FAMILY OF PRODUCTS

TGP offers a complete family of products for all your fire-rated glazing needs, ranging from 20 minute to 3 hour applications. More information is available online at [fireglass.com](http://fireglass.com), or by calling **800.426.0279**.

